

Attorney Docket No.: **54704.8036.US03 (UMD-0072)**
Inventors: **Langenfeld, John**
Serial No.: **10/692,824**
Filing Date: **October 23, 2003**
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Amendments to the Specification:

Please replace paragraph [0074] beginning at page 24 with the following rewritten paragraph:

--[0074] The present invention encompasses known antagonists of BMP-2 activity, including noggin (35) (US Patent No. 6,075,007, Economides, et al.), chordin (36) (US Patent No. 5,896,056), gremlin (GenBank GENBANK Accession No. AF 154054), cerebus 1 homolog (GenBank GENBANK Accession No. NM-005454), and DAN.--

Please replace paragraph [00164] beginning at page 65 with the following rewritten paragraph:

--[00164] Tissue specimens in a modified RIPA buffer were briefly sonicated on ice. Protein concentration was measured using the Bradford assay. Protein samples were prepared under reducing conditions. Total cellular protein was analyzed by a 15% SDS-PAGE, transferred to nitrocellulose (~~Schleicher and Schuell SCHLEICHER AND SCHUELL~~, Keene, N.H.) at 35 V for 16 hours at 4°C. The blots were then incubated overnight at 4°C with the appropriate primary antibody in Tris-buffered Saline with 1% Tween TWEEN (TBST) and 5% nonfat dried milk. Specific proteins were detected using the enhanced chemiluminescence system (Amersham AMERSHAM, Arlington Heights, Ill.). Relative BMP-2 expression was analyzed using NIH Imaging. Pixel density of the mature BMP-2 protein and actin were determined on each of the developed immunoblots. A relative actin value was determined in each sample by dividing its pixel density by the pixel density from the sample with the highest expression of actin. The sample

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with the highest actin level on the blot was given a value of 1 and the remaining samples as a fraction of that value. The relative BMP-2 expression was determined by dividing the BMP-2 pixel density by its relative actin value.--

Please replace cited reference 1 at page 86 with the following:

--1. American Cancer Society, What are the Key Statistics for Lung Cancer. 2003. (~~which can be found at the webpage index at the cancer.org website on the world wide web~~).--